

**International Conference on
“Technological Advancement for Sustainable Agriculture &
Rural Development (TASARD, India-2017)”
February 20-22, 2017**

Day to Day Program

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List of Authors for Poster Presentation

TASARD 2017 Day to Day Programme

Day 1 February 20, 2017

REGISTRATION: 09:00 A.M. onwards A.P. Shinde Auditorium – Hall-1 (Lobby)

Inaugural Session: Hall-1. 10:00 AM-1.00 PM

LUNCH BREAK: 1.00 – 2:00 PM

Special session: Hall-1. 2:00-3:00 PM. Ministers statements: Agriculture & Rural development

Session-1: Hall-1. 03:00 – 04:00 PM. Technological Advancement in Agricultural Production System And Value Chain Management

Chairman: Professor Ann Hirsch, USA

Co-Chairman: Professor Latfor Rahman, Bangladesh

Rapporteur: Dr Renu Singh, IARI, New Delhi

Session Keynote: (15 mins): **Prof. Madan K Bhattacharyya:** Folate in Plant health

Invited Lecture-1: (12 mins): **Dr Rajeev Janardanan:** Are plant based epigenetic modifiers indeed the next frontier for anti-angiogenic therapy: Promises and challenges

Invited Lecture-2: (12 mins): **Prof. Rana P Singh:** Organic matrix entrapped granular slow release fertilizers containing PGPR consortium open new possibilities for small scale rural industries, soil enrichment and higher yield of wheat (*Triticum aestivum* L.) and rice in sustainable way.

Invited Lecture-3: (12 mins): **Prof. H B Singh:** Seed biopriming: A novel tool for sustainable management of seed and soil born phytopathogens

Session-1 (Contd.): Hall-1. 04:15 – 06:15 PM. Technological Advancement In Agricultural Production System And Value Chain Management

Chairman: Professor Ann Hirsch, USA

Co-Chairman: Professor Latfor Rahman, Bangladesh

Rapporteur: Dr Renu Singh, IARI, New Delhi

Oral (16 Oral-7 minute each):

1. Brajeshwar Singh: Studies on isolation and screening for novel bioactive molecules from endophytic population associated with *Arisaema erubescens*
2. Dharmendra Patidar: Effect of economic feasibility of boron, zinc and iron on growth and yield of cucumber under polyhouse condition
3. Sushma Sagar; Morphological features of *Colletotrichum falcatum*: a causal organism of sugarcane red rot disease
4. Ajay Singh Yadav: Effect of sequential herbicide on weed control efficiency, crop productivity and economic returns in direct seeded rice (*Oryza sativa*)
5. Antara Sonawane; A study of agricultural safety issues, innovations and technologies in India

6. P S Gill: Post harvest calcium treatments extend the storage life of pear fruit under low temperature storage
7. Rajendra Singh: Bioefficacy, evaluation of pymetrozine 50% WG against insect pests of paddy
8. Anil Bhushan: Phenotypic stability studies for fruit yield and biotic stress traits in brinjal (*Solanum melongena*).
9. Sudhir Kumar: Genotype X environment interaction, adaptability and yield stability of rice genotype of North east India
10. Durgesh Kumar: Waste in food production: a case study of grapes production in Maharashtra
11. Rehana Mohi-ud-din: Effect of date of sowing and thinning management on growth, oil yield and relative economics of brown sarson (*Brassica rapa* L.)
12. Lakshman Prasad: Plant growth promotion activities of novel isolates of *Trichoderma* spp. and its metabolic products on *Brassica juncea*.
13. P Abarna: Screening of soap flake formulation of neem (*Azadirachta indica* A. Juss.) and pongam (*Pongamia pinnata* L. Pierre) oil against cotton mealybug, *Maconellicoccus hirsulus* (Green) (Pseudococcidae) and cowpea aphids, *Apis craccivora* (Koch) (Aphididae)
14. Sudhir Kumar: Genotype X environment interaction, adaptability and yield stability of rice genotypes of North-east India
15. J.C. Bommesh: Effect of boron on physical disorders, chemical composition and economics of parthenocarpic cucumber under polyhouse of south Indian tropics
16. B. Parmeshwari: Leaf fleck disease caused by sugarcane bacilliform virus: an emerging disease of sugarcane in the subtropical region

Session-2 : Hall-2 02:00 – 04:00 PM. Phyto-Remediation For Health and Environment in Context of Rural Development

Chairman: Professor Eng. Wassfi Hasan El Sreihein, AARDO, New Delhi

Co-Chairman: Dr. Khair Tuwair Said Al Busaidi, Director, Oman

Rapporteur: Dr Sangita bansal, CIPHET, Ludhiana

Session Keynote: **Prof. Lutfur Rehman:** Polluted river water enhances accumulation of heavy metals in soil and crops

Invited Lecture -1: **Prof. Taufiq Iqbal:** Potential of iron nanoparticles to increase growth and yield of wheat in Bangladesh

Invited Lecture -2: **Prof. S.S. Gill:** *Piriformospora indica* confers salinity stress tolerance through enhancement of the components of ROS scavenging machinery in wheat (*Triticum aestivum* L.)

Invited Lecture -3: **Prof. Pushpa Kharb:** Development of Bt chickpea and Bt pigeon pea for resistance against the major pest, *Helicoverpa armigera* (Hubner)

Invited Lecture -4: **Prof. P. Sharma:** Incorporating resistance to fungal diseases in Indian mustard using transgenic approaches

Oral (9 Oral-7 min each):

1. Rupinder Kaur: Assessment of arsenic removal potential of *Azolla microphilla* Kaulfuss under optimized conditions

2. Zeeshan Ur Rehman: Biosorption of Pb and Cd using *Staphylococcus hominis* AMB-2 isolated from rhizosphere of a Pb contaminated site

3. M B Salam: Phytoremediation and plant microbe interaction in toxic waste contaminated sites.
4. P J Rathod: Detection of unique metabolites in *Helimeda tuna*, *Halymenia venusata*, *Dictyopteris marginatum* (stoecospermum) species of seaweed collected from Okha coast of Gujarat.
5. Shehnaaz Nazkani: Problems constraining the growth of agro-based small scale enterprises in India
6. Subhashree Sahu: Technological and policy interventions for doubling farmers' income
7. Reshma Gills: Doubling farmers income: A case analysis of beyond production scenario
8. Subhashree Sahu: Technological and policy interventions for doubling farmers' income
9. Reshma Gills: Doubling farmers income: A case analysis of beyond production scenario

Session-3: Hall-2. 04:15 – 06:15 PM. Plant Developmental Biology, Metabolomics, Genomics And Proteomics

Chairman: Professor T R Sharma, NRC in Biotechnology, New Delhi

Co-Chairman: Professor M V Rajam, DU, South Campus

Rapporteur: Dr Neelima Kumari, Banasthali (Raj.)

Session Keynote: Prof. T S Kahlon: Value addition to low value farm products in developing healthy gluten free snacks.

Invited Lecture-1: Prof. Chanda Siddoo Atwal: Heavy metal carcinogenesis: A possible mechanistic role for apoptosis

Invited Lecture -2: Prof. Veena Agarwal: Generation and validation of molecular markers for identification of sex and genetic diversity analysis in Jajoba (*Simmondsia chinensis* (Link) Schneider): A potential oil yielding dioecious crop

Invited Lecture -3: Prof. S B Babbar: DNA Barcoding : A molecular taxonomic tool for identification and detection of species.

Invited Lecture -4: Prof. Anil Kumar: Integration of Omics approaches with nutritional science of establishing finger millet as a nutraceutical crop for ensuring nutritional and health security

Oral (15 Oral-7 min each):

1. Sushil Sharma: Assessment of genetic viability, heritability and genetic advance among *Pisum* accessions.
2. Sushma Dasguru: Studies on DNA isolation, quantitative estimation and RAPD analysis of *Cleome spinosa* Jacq. and *C. gynandra* Linn of Cleomaceae
3. Sangita Bansal: DNA Barcode psb-A-tranH for detection of safed zeera adulteration in black zeera
4. Enosh Phillips: Strigolactones: A novel phytohaarmone with varied function
5. Mohd. Tauseef Ali: Effect of IBA on fruiting of kiwi fruit cuttings under zero energy polyhouse
6. Kattula nagaraju: Interspecific hybridization in genus *Abelmoschus*
7. Shweta Gupta: Defense gene expression in *Arachis hypogea* against *Botrytis cinerea* in leaves and roots of resistant and susceptible cultivars.

Day 2 February 21, 2017

Session-3 (Contd.): Hall-1. 09:30 – 11:30 AM. Plant Developmental Biology, Metabolomics, Genomics and Proteomics (continues from previous day)

Chairman: Professor T R Sharma, NRC in Biotechnology, New Delhi

Co-Chairman: Professor M V Rajam, DU, South Campus

Rapporteur: Dr Neelima Kumari, Banasthali (Raj.)

8. M Pitchaimuthu: Isolation of unique (deep lobed papaya leaf shape) in Okra (*Abelmoschus esculentus* L.)Monech. Genotypes: Morphological and Molecular characterization.
9. Sanjay Kumar: Determination of seed vigour assessment parameters for evaluation of vigour potential of various coriander (*Coriandrum sativum* L.) genotypes
10. Arpita Srivastava: Role of growing condition on size of floral reproductive organs on rate of pollination in chilli (*Capsicum annuum*)
11. Shahid Qayoom Dar: Effect of growth regulator on pinching of feather traits of apple nursery plants cv. Royal deliciaous
12. Manoj Nath: High Na⁺, ROS, cell death and calcium in roots of cbl9 and cipk23 knock out mutants of *Arabidopsis* under salt stress
13. Anil Kumar: Estimation of heterosis in F1 generation of desi cotton for morphological and yield contributing characters.
14. Manisha Mangal: Characterization of cultivated and wild genotypes of hot pepper using caps markers
15. Mir Asmat: crop environment interaction assessment in *Brassica rapa* var. Brown sarson.

Session-4: Hall-1. 11:30 AM – 01:30 PM. Plant Microbe Interaction

Chairman: Professor Rainer Borriss, Germany

Co-Chairman: Professor Ajit Varma, AIMT, Noida

Rapporteur: Dr Lakshman Prasad, IARI, New Delhi

Session Keynote: **Prof. Ann Hirsch:** Mining plant rhizosphere and tissues for bacteria that helps plant grow under stressful conditions

Invited Lecture -1:**Prof. Christopher Franco:** The Australian beneficial microbes program: Overcoming barriers for microbial control of Rhizoctonia root rot on wheat

Invited Lecture -2: **Prof. Noga Bashan:** Formulations for inoculants of PGPR

Invited Lecture -3: **Prof. Pramod W Ramteke:** Rhizobacteria in sustainable agriculture development

Invited Lecture -4: **Prof. Sukanta Bhattacharya:** Mycoremediation of organo pollutants; whole cell and enzyme based approaches

Oral (08 Oral-7 min each):

1. Sandeep Kumar: Study of activity enhancement of soybean (*Glucine max*) urease with various thios
2. Sunil Prajapati: Combined effect of salicylic acid and *Azospirillum* on yield and quality characters of onion (*Allium cepa* L.) cv. ALR
3. F C Amule: Co-inoculation response of Thizobium and PGPR on soybean and chickpea
4. Parimal Sinha: Dynamics of appressoria formation in *Magnaporthe oryzae* under temperature influence
5. P.B. Desai: Dry root rot resistance in chickpea:studieson genetic and molecular variations
6. Hillol Chakdar: Exploiting potential plant growth enhancing bacteria from unexplored niches of north east India
7. N.G. Mitra: Field screening of *Arthrobacter* isolated from different crop rhizospheres on soybean in a vertisol of central India

8. Irham Rasool: Screening of maize genotypes for resistance to damage caused by stem borer *Chilo partellus* (Swinhoe) under temperate conditions

Session-5: Hall-2. 09:30 – 11:30 AM. Biotechnology, Transgenic Development,

Chairman: Professor Anton Hartman, USA

Co-Chairman: Professor Narendra Tuteja, Noida

Rapporteur: Dr Manish Mangal, IARI, New Delhi

Session Keynote: **Prof. Reiner Borriss:** Plant growth promoting bacteria –early investigations, present state and future prospects

Invited Lecture -1: **Dr Shivendra Bajaj:** Role of Industries in IPR and Biotechnology

Invited Lecture -2: **Prof. M V Rajam:** Artificial miRNA-mediated silencing of ectyosone receptor gene affects larval development and reproductive potential of *Helicoverpa armigera*

Invited Lecture-3: **Prof. Vinay Sharma:** Comparative analysis of Cadmium resistance in contrasting wheat cultivars

Invited Lecture -4: **Dr. Pratibha Singh:** Excellence through stewardship advancing best practices in agriculture biotechnology in India

Invited Lecture -5: **P. Pardha Saradhi:** Should India promote Herbicide tolerant *barnase-barstar* GM Indian mustard hybrids?

Oral (10 Oral-7 min each):

1. V Soorya: A study of genetic variability of *Curcuma aeruginosa* Roxb. (pink and blue ginger) in Kerala using various agro-morphological characters.
2. Ummyah H. Masoodi: Genotype X Environmenta interactions in tomato varieties under Kashmir conditions
3. Gyanendra Kumar Rai: Superoxide dismutase (SOD) and ascorbate peroxidase (APX) gene expression analysis in tomato under moisture stress conditions
4. T Radhamani: Stability analysis for grain quality parameters among the mutants of ADT 47 rice (*Oryza sativa*)
5. Sudhanshu Bala Nayak: Genetic improvement of parasitoids and predators.
6. Rajesh Kumar Gupta: Assessment of DNA polymorphism and genetic diversity among heat tolerant and susceptible wheat (*Triticum aestivum* L.) variety by ISSR markers
7. Mamtha N C: Correlation and path coefficient studies in 150 fenugreek genotypes (*Trigonella foenum-graecum* L.)
8. Vikram Singh Meena: Assessment of genetic divergence in promising ricebean (*Vigna umbellate* (Thunb.) Ohwi. And Ohash. Germplasm collection from Himachal Pradesh
9. Prakash Singh: Study the inheritance of resistance for bacterial leaf blight (*Xanthomonas oryzae* pv. *oryzae*) in Indica rice Basmati cv HUBR 10-9
10. Shikha Srivastava: Bio-priming of tissue culture raised *Decalepis alayalpathra* (J. Josheph & V Chandras) venter KMA 05 clones with the phyllospheric bacterium, *Methylobacterium* sp. VP 103 and its biocontrol potential.

Session-6: Hall-2 11:30 – 01:30 PM. Management of Water Resources

Chairman: Eng. Noga Bashan, Bashan Institute of Science, USA

Co-Chairman: Professor Ichha Purak, Ranchi

Rapporteur: Dr Sushma Das Guru, Ranchi

Session Keynote: **Prof. Dolly Wattal Dhar:** Bioremediation potential of microalgae

Invited Lecture -1: **Prof G C Pandey:** Mother earth and Environmental Consequences

Invited Lecture -2: **Prof. Sunil Pabbi:** Azolla as a potential source for energy

Invited Lecture -3: **Dinesh K Saxena:** Moss as tool for large scale monitoring of atmospheric metals from seven Indian states during 2000-2010.

Oral (08 Oral-7 min each)

1. Ompal Singh: Physiological evaluation of productivity of advanced wheat (*Triticum aestivum* L.) under lines under restricted irrigation
2. Kishore Mote: Effect of alternate wetting and drying method of water management on low land rice (*Oryza sativa*)
3. Ashish Dwivedi: Improvement in water productivity without yield penalty of direct seeded rice under micro-irrigation systems and tillage options in Indo-gangetic plain of India.
4. M. Ashwani: Effect of enriched farm yard manure and fertilizer levels on root characteristics and water use efficiency of aerobic rice
5. V Bhaskaran: Identification of unique ornamental red ginger (*Alpinia purpurata*) genotype (CIARI Red Ginger 1) in Bay Islands
6. A Velumurugan: Performance of vegetable crops grown in raised bed in coastal areas.
7. V Bhaskaran: Evaluation of *Arachnis* orchid (*Arachnis flosaeris*) under open field condition in Bay Island.
8. Awanindra Kumar Singh: variation for selected morphological related traits among mungbean farmer's varieties collected from Andaman & Nicobar Island.

Session-7: Hall-1. 02:00 – 04:00 PM. Plant Science Research For Climate Change and Natural Disaster Management

Chairman: Professor Anton Hartman, USA

Co-Chairman: Professor N P Singh, Baramati (MS)

Rapporteur: Dr Reshu Chaudhary, SVPUAT, Meerut

Session Keynote: **Prof. Laszlo Szabados:** Gene mining in model and halophytic plants: Functional identification of stress regulatory genes by random gene transfer and large scale genetic screen

Invited Lecture -1: **Prof. D K Srivastava:** Genetic modification of *Populus ciliata* and *Populus deltoids* using *Agrobacterium* mediated gene transfer for better paper production and insect resistance

Invited Lecture -2: **Prof. Narendra Tuteja:** Non GM and GM approaches for crops improvement under changing environment for sustainable agriculture

Invited Lecture -3: **Minu B. Madlani:** Climate change and water conservation in rural areas

Oral (6 Oral-7 min each):

1. Madhusudam Puchakayala: Temperature influence on component of rice leaf blast resistance under climate change scenario.
2. R Dolkar: Breeding strategies for climate resilient trait in potato (*Solanum tuberosum* L.)
3. Neelima Kumari: Differential cadmium stress tolerance and gene expression in *Triticum aestivum* genotypes.

4. Ramakant Dubey: Effect of elevated temperature on soil functions and microbial CO₂ efflux under diverse agro-ecosystem
5. Kartikeya Srivastava: Genetics of heat stress tolerance in tomato (*Solanum lycopersicum* L.)
6. Renu Singh: Nitrogen losses through ammonia volatilization from wheat

BS1 : Hall-1 04:15 – 06:15 PM. BRAIN STORMING SESSION: Biotechnology *vis-à-vis* revolution in Agriculture.

Moderator: Prof Manoj Kumar Dhar, Jammu University, Jammu

Session-8 : Hall-2. 02:00 – 04:00 PM. Natural Resource Conservation, Integrated Rural Development Through Women and Economics of Post Harvest Agriculture

Chairman: Professor Dr Manoj Nardeo Singh, AARDO

Co-Chairman: Professor Minu B Madlani, Hinduja College, Mumbai

Rapporteur: Dr Archana Arya, SVPUAT, Meerut

Session Keynote: Prof. N.P. Singh, NIAM: Agro-ecotourism for rural livelihood in coastal areas

Invited Lecture – 1: Prof. Ichha Purak: Studies on callus induction, regeneration, potential and antibacterial screening of *Cleome spinosa* Jacq. and *C. gynandra* Linn. of Cleomaceae

Invited Lecture -2: Prof. Krishna Kant Sharma: Recombinant laccase from the *Yersinia* species facilitate biotransformation of non-steroid anti inflammatory drugs (NSAIDS)

Invited Lecture -3: Prof. Sandra Wolton: Serra Leone: Women's role in integrated rural development

Oral (12 Oral-7 min each):

1. Shalini Gaur Rudra: Exploring nutritional and antioxidant potential of mango kernel for use as byproduct of mango processing industry
2. Deepak Kumar: Insights into the role of alpha toco-pherol in plants: Potential application for human health and abiotic stress alleviation in plants
3. K Ravindra Kumar: Standardization of turmeric nodal segment, seedlings as a source of planting material.
4. Preeti: Isolation and characteriation of phaseolinone from *Macrophomina phaseolina*
5. M N Noor: Sequences of meiosis in charophyta: A cytological problem
6. Hishmi Jamil Hussain: Vulture safe zone in central India: A new life to vanishing vultures
7. V. Sangeetha: Role of women in agriculture and food & nutritional security
8. Shital Mody: Agro-tourism a booming sector in India
9. Nasir Ansari: Integrated rural development through women and community empowerment
10. Mrunalini Ravalekar: Role of women entrepreneurs in rural India
11. Dinesh Panwar: Extension programme for cultivation of edible and medicinal mushrooms for economic empowerment of rural women
12. S.K. Tehlan: Effect of natural ageing on seed quality of coriander

BS2. Hall-2. 4:15-6:15 PM. BRAIN STORMING SESSION: Post harvest technology & promotion of entrepreneurship for agribusiness.

Moderator: Prof M Iliyas, Former Director, CIPHET, Ludhiana

Day 3 February 22, 2017

Special Session: Hall 1. 09.00-11.00 AM. Sustainable Rural Development in African Asian Region

BS3. Hall -1: 11:00-01:30 PM. BRAIN STORMING SESSION: Technologies adoption by Rural community especially women and farmers

Moderator: Dr J P Sharma, Jt. Director (Extension), IARI, New Delhi

Session-9 : Hall-2. 09:00 – 11:00 AM. Agri-Business and Non-Conventional Energy, Nano-Science; Geo-Informatics (GIS, GPS, Remote Sensing)

Chairman: Prof J D Sharmna, Jt. Director, IARI, New Delhi

Co-Chairman : Professor Anil Kumar, GBPUAT, Pantnagar

Rapporteur: Dr Parampal Singh Gill, PAU, Ludhiana

Session Keynote: **Prof A P Garg:** Commercial application of extra cellular cellulase free xylanases in pulp and paper industry

Invited Lecture-1: **Prof T S Kahlon** Value addition to low value farm products in developing healthy gluten free snacks

Invited Lecture-2: **Prof. Alok Krishna Sinha:** A mitogen activated protein kinase based regulation of submergence tolerance in rice

Invited Lecture-3: **Prof. R K Gupta:** Processing and value addition of food crops : Opportunities or sustainable livelihood

Invited Lecture-4: **Prof N P Singh:** Purification and characterization of cellulose degrading bacteria from the degraded logs

Oral (11 Oral-7 min each):

1. Shradha Jain: Perception of youth towards agriprenurship
2. Khyati Vora: Startup projects of agro based industry; Opportunities and challenges
3. Archana Arya: Role of women in coastal fisheries
4. Shruti Kushwaha: Value chain development in horticulture produce
5. Rahul Singh: Value chain management in agriculture & horticulture for enhancing farmer's income
6. K. Prasad Rao: Exploration of wheat germplasm potential for salt tolerance and high protein quality - a case study at Allahabad climatic zone
7. Payal Chaudhary: Performance and emission characteristics of diesel engine fueled with castor biodiesel
8. Ajit Singh: Yield gap analysis and total rainfall of rice crop of onset of monsoon in different sectors of UP
9. Madhu Bala Priyadarshi: Plant quarantine decision support system
10. Seema Narendran: Non-conventional sources of energy - consumption and generation, the way ahead for India
11. Ram Prasad: Plant-nanoparticle interactions: A sustainable approach for agricultural practices and plant productivity

Session – 10: Hall-1: 02:00 – 04:00 PM. Livestock & Agriculture Prosperity.

Chairman: **Prof. M P Yadav**, Former Secretary, NAAS & Former Director, IVRI, Izzatnagar

Co-Chairman: **Prof. Gaya Prasad**, Vice Chancellor, SVPUAT, Meerut

Rapporteur: Dr Jinu Manoj, SVPUAT, Meerut

Session Keynote: **Prof. M P Yadav**, Ex-Vice Chancellor, SVPUAT, Meerut. Role of Livestock for Sustainable Rural Development and Prosperity

Invited Lecture -1: **Dr. R. K. Singh**, Director, ICAR-Indian Veterinary Research Institute, Izatnagar. Role of Transboundry diseases in Livestock Prosperity

Invited Lecture -2: **Dr. M.S. Chauhan**, ICAR-Central Institute for Research on Goats, Mathura. Animal Cloning Research in India

Invited Lecture - 3: **Dr. Suresh Kumar**, ICAR-Central IRC, Meerut. Quality Assessment of frozen thawed Frieswal Bull Semen

Invited Lecture- 4: **Dr. V.K. Gupta**, ICAR-IVRI, Izatnagar. Agriculture growth and Livestock Prosperity

Oral (5 Oral-7 min each):

1. . K.P. Singh: Transformation pastoral economy under traditional buffalo production system in Banni, Kachchh
2. Amit Kumar: Vaccination strategies to overcome animal brucellosis in India
3. Anu Rahal: Modulation of peripartum stress in goats using common plants Sandeep Kumar Singh: Issues of veterinary biologicals in India: Risk assessment
4. Harisankar Singha: Need of new diagnostics for control and eradication of glanders, a zoonotic and notifiable equine disease
5. Sandeep Kumar Singh: Issues of Veterinary Biologicals in India: Risk Assessment

BS4: Hall-2: 02:00 – 04:00 PM. BRAIN STORMING SESSION. Role of ICT in Agriculture & Rural development.

Moderator: Prof M Muni, Chairman, Working Group on ICT in Food & Agriculture, Indian Council of Food and Agriculture (ICFA), New Delhi

IMPORTANT NOTE:

All Speakers are requested to manage their Lectures as per following schedule:

Session Keynote : Max. 15 min

Invited Lecture : Max. 12 min.

Oral Presentation : Max. 7 min.

List of authors for poster presentation:

S.No.	Presenting Author	Title	All Authors
1.	BHARAT MEENA	Effect of foliar application of salicylic acid and ethrel on growth, yield and quality of garlic (<i>Allium sativum</i> L.) var G-282	Bharat Meena & Indira Yadav
2.	INDIRA YADAV	Effect of growth regulators and micronutrients on quality of strawberry (<i>Fragaria X ananassa</i> Duch) cv. Winter dawn	Bharat Meena & Indira Yadav
3.	M. LAKSHMI DURGA	Impact of N, P and K fertilization on physiological traits of gladiolus cv. Trader Horn	M. Lakshmi Durga, D.V.S. Raju, R.N. Pandey, Renu Pandey, Kanwar Pal Singh, Prabhat Kumar & S. Gopala Krishnan
4.	MANJEET	Extension strategies for mitigation of climate change in agriculture: A case study of Haryana (India)	Manjeet, Nasib Singh, P.S. Sherawat & Joginder Singh Malik
5.	RUPENDER KUMAR	Impact of information and communication technologies (ICTs) on agricultural practices: A case study for rural development in Haryana	Rupender Kumar, R.S. Hudda, Krishan yadav & Pardeep Chahal
6.	SIMRAN NAGI	UTILIZATION OF KITCHEN WASTE COMPOST AS SOIL AMENDMENT FOR INCREASED CROP PRODUCTION	Simranjit Kaur, Randeep Singh Saini, Tanu Sharma & Dinesh Goyal
7.	SONU SHEORAN	Seasonal influence of pinching time and GA3 on floral and yield attributes of african marigold (<i>Tagetes erecta</i> L.) under semi-arid conditions of Haryana	Sonu Sheoran & B.S. Beniwal
8.	NITIKA VIHAN	2. Standardization of the protocol for screening and evaluating phosphorous solubilizing activity of native <i>Trichoderma</i> and other microbial strains	Nitika Vihan, Sushma Sagar, Sorabh Chaudhary, Siddharth N. Rahul, Purushottam & Akash Tomar
9.	VEDIKA DHIMAN	Isolation of probiotic microorganisms from different curd samples	Vedika Dhiman, Sugam Mohan, Sachin Kashyap, Deep Kumar, Binti Srivastava, Anshika Yadav, Diksha Dubey, Sushma Sagar, Sorabh Chaudhary, Siddharth N. Rahul, Purushottam & Akash Tomar
10.	BINTI	Isolation of agriculturally important microorganisms from different soil samples	Binti Srivastava, Anshika Yadav, Sachin Kashyap, Deep Kumar Verma, Vedika Dhima, Sumit

			Tripathi, Diksha Dubey, Sushma Sagar, Sorabh Chaudhary, Siddhartha N. Rahul, Purushottam and Akash Tomar
11.	SUCHETA DAHIYA	Yield and yield attributes as exaggerated by different sowing dates and different maturity classes cultivar on direct seeded rice	Sucheta Dahiya, S.S. Punia, Jagdev Singh & Suresh Kumar Kakralia
12.	JAGRUTI DARJI	Agripreneurship - way for women empowerment	Jagruti Darji
13.	MEHUL CHHATBHAR	A study on perception of urban youth towards agriculture and its allied activities for source of income with special reference to western Mumbai	Mehul C. Chhatbar & Rashmi Maurya
14.	JITENDER AHERKAR	Financial inclusion for agriculture: A strategic move to overcome the rural poverty in India	Jitendra Aherkar
15.	RINCHAN DOLKAR	Stability analysis and genotype X environment interaction of quality traits in tomato (<i>Solanum lycopersicum</i> L.)	Sonam Spaldon, R.K. Samnotra, Rinchan Dolkar & Deshraj Chaudhary
16.	SNEHA GAUTAM	Bioethanol production from agro waste under solid state fermentation condition	Pankaj Chauhan, Sneha Gautam & Shalini Pal
17.	GYAN PRAKASH MISHRA	Regulation of enzyme activity in the cell: effect of enzyme concentration of different parameters like pH, substrate concentration and temperature	Pankaj Chauhan, Sneha Gautam, Shalini Pal & Gyan Prakash Mishra
18.	SONIKA TYAGI	Multi-functional enzyme ability of fungal strain <i>Aspergillus niger</i> , screened from dump of pig waste	Sonika Tyagi, Suman Lata, Alka Sahrawat & Purushottam
19.	PURUSHOTTAM TOMAR	Isolation and biochemical characterization of <i>Rhizobium</i> from root nodules of Mungbean (<i>Vigna radiata</i>)	Purushottam, Shruti, Akash Tomar, Ravindar Kumar, B.P. Dhyani, Anil Siroi, R.K. Naresh, Shefali Poonia, Archit Kumar Sharma & Nikita Balyan
20.	NEHA MITTAL	QTL mapping and comparative expression analysis of gene(s) for abiotic stress tolerance in Chickpea (<i>Cicer arietinum</i> L.)	Neha Mittal, R.S. Saxena & Rajendra Kumar
21.	PRAVIN SINGH	Effect of potassium and zinc on growth, yield and quality of sweet potato (<i>Ipomoea batatas</i> L.) Cv. CO-34	Pravin Singh, Kavita Aravindakshan & D.K. Patidar
22.	ASHUTOSH KUMAR	Indigenous knowledge for conserving natural resources	Ashutosh Kumar & Nighat Mushtaq

23.	SHEFALI POONIA	Negative impact analysis of pigment contents in legumes in response to sulphur dioxide treatment	Shefali Poonia, Purushottam & Vaishali Poonia
24.	KHYATI LEHRI	1. Bioactive peptides in milk - functions and their applications 2. Effects of high temperature on metabolism and gene expression in thermotolerance wheat (<i>Triticum aestivum</i> L.) varieties	Khyati Lehari, Abhinav Singh & Anchal Chauhan Khyati Lehari & Abhinav Singh
25.	SMITA GUPTA	Effect of foliar application of different doses of bio-regulators on growth and yield of garlic (<i>Allium sativum</i> L.)	Smita Gupta
26.	DEVESH KUMAR YADAV	Chromosomal aberration assay of induced toxicity of cadmium and lead and their interaction in Wistar rat	Vikas Jaiswal, B.P. Joshi, A. Bhatele, P.S. Maurya, Harshit Verma, D.K. Yadav & S.P. Yadav
27.	NAMONARAYAN MOURYA	Isolation, identification and biochemical characterization of <i>E. coli</i> from chicken in Meerut region of Uttar Pradesh, India	Namo Narayan Maurya, Deepa shikha Chouhan, Srishti Yadav & Purushottam
28.	DEEPA SHIKHA CHAUCHAN	Isolation and characterization of <i>E.coli</i> from cheese samples	Deepa Shikha Chouhan, Srishti Yadav, Namon Narayan Maurya & Purushottam
29.	SHRISTI YADAV	Isolation and characterization of <i>E.coli</i> from milk sample	Srishti Yadav, Deepashikha Chouhan, Namon Narayan Maurya & Purushottam
30.	SANTOSH KUMAR	Character association and path analysis studies for yield and yield attributes in green chilli (<i>Capsicum annum</i> L.)	Ashish Kumar Maurya, M.L. Kushwaha, S.K. Jain & Santosh Kumar
31.	MOHAL LAL	Isolation, cloning and characterization of surfactin (<i>sfp</i>) gene in <i>Basillus</i> sp. JES1	Mohan Lal, Rakesh Tuli & Ved Pal Singh
32.	LEBIN THOMAS	Characterization and partial purification of cellulases from an actinobacterium, <i>Promicromonospora</i> sp. VP111	Lebin Thomas, Hari Ram & Ved Pal Singh
33.	GIDEON J.SYNREM	Gene action and combining ability analysis for grain yield and quality parameters in sub-tropical maize (<i>Zea mays</i> L.)	Gideon J. Synrem, Shailes Marker & P.W. Ramteke
34.	HARI RAM	In silico study of alpha subunit of DNA polIII that serves as a potential genetic marker for bacterial taxonomy	Hari Ram, Lebin Thomas & Ved Pal Singh
35.	ZEESHAN UR REHMAN	Biosorption of Pb and Cd using <i>Staphylococcus hominis</i> AMB-2 isolated from rhizosphere of a Pb-contaminated site	Zeeshanur Rahman, Lebin Thomas & Ved Pal Singh
36.	SONAM	Can host delivered RNAi of	S. Chaudhary, D.

	CHOUDHARY	Meloidogyna incognita genes provide protection during the time of penetration and infection?	Kamaraju, T.N. Shiva Kumara & Uma Rao
37.	SHIVA KUMAR T.N.	Chemotaxis responses and odor discrimination are mediated by the G alpha protein and Guanylyl Cyclase Olfactory neurons of Meloidogyne incognita	T.N. Shiva Kumara, S. Chaudhary & Uma Rao
38.	S.K. JAWANDHA	Effect of foliar application of potassium nitrate on fruit yield, quality and leaf nutrient content of plum	S.K. Jawandha, harminder Singh, P.P.S. Gill & A. Thakur
39.	DIVYA KAMARAJU	Host delivered RNAi silencing of FMRFamide like peptide, flp-14 of Meloidogyne incognita using bringal	Divya Kamaraju, T.N. Shiva Kumara, P. Popalu & Uma Rao
40.	SUNNIA GORKA	1. Transgenics and its role in vegetable crop improvement programme 2.Genetic divergence studies for reproductive traits in okra (Abelmoschus esculentus L. Moench)	Rakesh Khajuria, J.P. Sharma, Sunnia Gorka & R.K. Gupta Rakesh Khajuria, J.P. Sharma, Sunnia Gorka & R.K. Gupta
41.	Ms. SAZDA ABDI	Development of codominant intron length polymorphism markers associated with apomixis in Cenchrus ciliaris	Sazda Abdi & Vishnu Bhat
42.	ASHISH KUMAR MAURYA	Assessment of genetic variability, heritability and genetic advance in chilli (Capsicum annum L.)	Ashish Kumar Maurya, M.L. Kushwaha, S.K. Jain, Manish Kumar Maurya & Vikas Kumar Jain
43.	ISHA KHOLI	Purification and industrial applications of raw starch hydrolyzing acid stable alpha-amylase from Basillus subtilis S113	Isha Kohli, Rakesh Tuli & Ved Pal Singh
44.	AMIT KUMAR	Functional analysis and characterization of wound responsive genes from potato (Solanum tuberosum L.)	Amit, Mukesh Kumar, Vaishali, R.S. Sengar, Rajendra Singh & S.K. Singh
45.	SANJEEV ANAND	Antifungal activity of Parthenium hysterophorus against pathogenic fungi	Sanjeev Anand & Amit Alexander Charan
46.	DIKSHA DUBEY	Studies on optimization of cryopreservation protocol for beneficial microorganisms	Diksha Dubey, Siddharth N. Rahul, Sorabh Chaudhary, Sushma Sagar, Purushottam & Akash Tomar
47.	PRIYANKA PAL	Antimicrobial activity of Azadirachta indica (Neem) products against Escherichia coli	Priyanka Pal, Purushottam, Akash Tomar, R. Kumar, B.P. Dhyani & Shamsher
48.	ARCHIT KUMAR	Effect of pH and temperature on	Archit Kumar Sharama,

	SHARMA	different strains of Rhizobium from mungbean in different regions of India	Purushottam, Akash Tomar, Ravindar Kumar, B.P. Dhyani, R.K. Naresh & Prynka Pal
49.	SUBHAM LAMBA	Sustainable agriculture for sustaining mankind - a review of international literature	Shubham Lamba, V.K. Phogat & Neerajh Kumar
50.	MEINAZ NISSAR	Efficacy of various insecticides against pear psylla (<i>Psylla pyricola</i> Foerster) on pear in Kashmir	Meinaz Nissar, Sushil Kumar, Irham Rasool, Showkat Dar, G.L. Lone & Rafiya Mushtaq
51.	SHANKAR SOYAL	Efficacy of fungicides against <i>Alternaria alternata</i> causing leaf blight of carrot, <i>Daucus carota</i> L.	Shankar Soyal, R.P. Ghasolia & Rekha Kumawat
52.	DURGA MADHAB SWAIN	Function of heterotrimeric G-protein γ subunit RGG1 in providing salinity stress tolerance in rice by elevating detoxification of ROS	Durga Madhab Swain
53.	IRHAM RASOOL	Screening of maize genotypes for resistance to damage caused by stem borer <i>Chilo partellus</i> (Swinhoe) under temperate conditions	Irham Rasool, Abdul Rouf Wani, Meinaz Nisar, R.K. Nehru & Zahoor Ahmad Dar
54.	SAKSHAM KHUSHARIA	Effect of different concentration of growth regulators in in-vitro micropropagation of banana	Saksham Kusharia
55.	BALRAM MEENA	Effect of genotype and planting geometry of flower quality and vase life of gladiolus (<i>Gladiolus X Hybridus</i> Hort.)	Balram Meena, S.K. Moond, C.K. Arya, Pravin Singh, Dhara Singh & Yogendra Sharma
56.	JITENDER KUMAR SONI	Performance of groundnut (<i>Arachis hypogaea</i> L.) under drip and micro sprinkler fertigation system	Jeetendra Kumar Soni & N. Ashoka Raja
57.	SACHIN KUMAR JAIN	An emerging disease of rice - Bakane disease and their prevalence and incidence in western Uttar Pradesh, India	Sachin Kumar Jain, Kamal Khilari, Prashant Mishra, Mukesh & Satpal Singh
58.	RAJESH KUMAR GUPTA	DNA profiling and inter-relationship among soybean cultivars using random primers	Partha Ray Choudhury, S.k. Pandey, Rajesh Kumar Gupta, Vikram Singh Meena & Asit B. Mandal
59.	RAHUL KUMAR	1.Molecular characterization in a set of cucumber germplasm using SSR markers 2. Assessment of genetic diversity and principle component analysis among bhendi yellow vein mosaic virus resistant okra genotypes	Rahul Kumar, R.K. Yadav & H. Chaudhary

60.	ARAVIND NAGAR	Genetic variability and character association for yield and quality traits in pumpkin	Arvind Nagar, A.K. Sureja, A.D. Munshi & Rakesh Bhardwaj
61.	ANNU KUMARI	Biocontrol potential of cyanide producing <i>Pseudomonas chlororaphis</i> for suppression of common weed <i>Dactyloctenium aegyptium</i>	Annu Kumari, Ajit Varma & K. Annapurna
62.	JAYASHRI BARCCHIYA	Effect of phosphorus levels on growth, yield and quality attributes of cowpea (<i>Vigna unguiculata</i> (L.) Walp)	Laleeta Suryawanshi, S.S. Kushwah & Jayashri Barcchiya
63.	SHIVANI SINGH	Comparative performance of gladiolus cv. Forta Rosa under different environmental conditions	Shivani Singh & Santosh Kumar
64.	DURGA PRASAD MOHARANA	Interrelationship studies for yield and yield attributing traits in elite genotypes of bitter melon (<i>Momordica charantia</i> L.)	Durga Prasad Moharana, M.N. Syamal & Anand Kumar Singh
65.	M.D. SALAM	Phytoremediation and plant microbe interaction in toxic waste contaminated sites	M.D. Salam
66.	KARTIKEYA RAJPAL	Phytoremediation and plant microbe interaction in toxic waste contaminated sites	Kartikeya Rajpal & Ajit Varma
67.	ANIL KUMAR /S.K. TEHLAN / J.K. NANDLAL	Seed quality assessment in naturally aged seed lots of coriander	Anil Kumar, S.K. Tehlan & J.K. Nandal
68.	PRINCE	Performance of tuberose (<i>Polianthes tuberosa</i> L.) cv. Prajwal as influenced by planting time and spacing under field experiment	Prince, G.S. Rana, D.S. Dahiya, S.K. Sehrawat & Arvind Malik
69.	MOHD. TASLEEM	Development of early diagnostic or <i>Alternaria</i> blight disease in Brassica juncea	Mohd Tasleem, Sanjay Ranjan & Gohar Taj
70.	SNIGHDA TIWARI	Effect of jasmonic acid on antioxidant activity and cell death enzymes (Metacaspases) <i>Alternaria brassicae</i> - Arabidopsis system	Snigdha Tiwari, Dinesh Pandey & Anil Kumar
71.	HEMESH JOSHI	Enhancement and value addition of growth parameters in rabi crops (Mustard and winter Maize) through microbial associations under strict rain-fed conditions in Kandi region of Shivalic mountainous range	Hemesh Joshi, Amit C. Kharkwal & Ajit Varma
72.	SUNAINA BISHT	Integrated pest management - balanced approach for sustainable plant health management	Sunaina Bisht, Rekha Balodi, Vimla Singh & Meena Shekhar
73.	JAAGRITI TYAGI	Effect of inoculum density on plant growth under short duration drought	Jaagrity Tyagi, Neeraj Shrivastava, Ajit Varma,

			Ramesh Namdeo Pudake
74.	ARCHNA ARYA	2. Patents and IPRs in reference to fisheries and aquaculture	Archana Arya, Deepak Sisodia & Vineeta Verma
75.	ZEBA I. SERAJ	2. Isolation, characterization and possible use of halotolerant bacteria from coastal soils for plant growth promotion under salt stress	Protup Kumer Sarker, Fahmida Sultana Rima, Sudip Biswas, Md. Rakibul Islam & Zeba I. Seraj
76.	MANOJ KUMAR SINGH	Role of climate change in livestock sector	Manoj Kumar Singh & Jinu Manoj
77.	T.P. MALL	1. Explotable vegetables for food and health in Bahraich (UP) India 2. Ethnoveterinary therapeutic potential flora of Bahraich (UP) India 3. Under utilised potent nutrimental plants of Bahraich (UP) India	T.P. Mall & S.C. Tripathi
78.	S.C. TRIPATHI	Potent ethnomedicinal weed flora of Shrawasti (UP) India	S.C. Tripathi & T.P. Mall
79.	J.C. BOMMESH	1. Effect of boron on physical disorders, chemical composition and economics of parthenocarpic cucumber under polyhouse of south Indian tropics 2. Detached leaf and field testing methods to determine cucumber (Cucumis sativus L.)	J.C. Bommesh, P. Irene Vethamoni, M. Nagaraju Mallik & Kattula J.C. Bommesh, M. Pitchaimuthu, S. Sriram K. Venkatesh, K.V. Ravishankar & P. Nandeeshha
80.	SHALINI GAUR RUDRA	1. Evaluation of physicochemical, nutritional and digestibility characteristics of lentil cultivars	Shalini Gaur Rudra, Charnjit Kaur & Gyanendra Singh
81.	SHAILY JAVERIA	Diversity analysis of isolates of Trichoderma species by using morphological and molecular tools	Shaily Javeria, Parika Thakur, Lakshman Prasad, Pratibha Sharma & Krishna Kumar
82.	SANGRAMSINH MUSALE	NABARD and its role in strengthening rural India	Sangramsindh Musale
83.	SANTOSH KUMAR	Estimation of genetic variability, heritability and association of green fodder yield with contributing traits in Napier grass [Pennisetum purpureum Schum.]	Santosh Kumar, C. Babu, S. Revathi & K. Iyanar
84.	ANIL BHUSHAN	In vitro shot regeneration and heterosis studies in tomato (Solanum lycopersicon Mill.)	Anil Bhushan & R.K. Gupta
85.	ASHU SINGH	Assessment of heat tolerance of basmati rice via heat inducible genes	Ashu Singh & R.S. Sengar
86.	CHANDRAMA	Cytosolic calcium regulates tuberization	Chandrama Prakash

	PRAKASH UPADHYAYA	in potato through enhanced expression of calmodulin, calcium dependent protein kinase and lipoxygenase genes	Upadhyaya & Manoj Kumar
87.	VIKAS KUMAR KHATIK	Influence of growing media and indole butyric acid on Damask rose cuttings (<i>Rosa damascena</i> . Mill) var. Ranisahiba	Vikas Kumar Khatik & Ashutosh Mishra
88.	ARCHNA BRAR	Biochemcial changes in potato cultivars and different sized potato tubers during room temperature storage	Archana Brar, M.K. Rana 7 Vineeta Pandey
89.	NAVEEN KUMAR	Growth and quality parameters of bed planted barley cultivars in relation to planting geometry and moisture regimes	Naveen Kumar, Suresh Kumar, S.K. Kakraliya & Mohinder Singh
90.	MAHAVEER SUMAN	Effect of foliar application of micronutrients on physio-chemical and yield characteristics of guava (<i>Psidium</i> Mahaveer Suman, T.B. Tambe, Pooja R. Bhosale & S.V. Dubalgunde guajava L.) cv. L-49	Mahaveer Suman, T.B. Tambe, Pooja R. Bhosale & S.V. Dubalgunde
91.	SUDHIR KUMAR	Genotype X environment interaction, adaptability and yield stability of rice genotypes of North-east India	Sudhir Kumar, Amit Kumar, Avinash Pandey, A. Pattanayak, Jogendra Singh, I.M. Singh, N. Prakash, R. Bhagawati & S.V. Nagachan
92.	RIZWANA TABASSUM	Cyanobacteria and food security for rural areas	Rizwana Tabassum, S.K. Bhatnagar & Dolly Wattal Dhar
93.	AQUBA QUIRESHI	Dry flower production: emerging approach towards sustainability and employment generation	Aqiba Qureshi & Y.C. Gupta
94.	DIVYA PHOUGAT	1. Evaluation of genetic diversity among bread wheat F1s and parents using micronutrient specific microsatellite markers 2. Evaluating microsatellite markers for the use in genetic analysis of hexaploid wheat varieties and elite lines	D. Phougat, V. Singh, I.S. Dhanraj & S. Yashveer
95.	BISHWAJEET PAUL	Effect of synthetic kairomone on the recognition of host finding ability of <i>Trichogramma chilonis</i>	Monika Gupta, Bishwajeet Paul & Sharda Singh
96.	PRIYANKA RATHORE	Identification and characterization of retrotransposons associated with mode of reproduction in <i>Censhrus ciliaris</i>	Priyanka Rathore & Vishnu Bhat
97.	SHANU MAGOTRA	<i>Bacillus aryabhatai</i> (D5) a potential biocontrol agent against pathogenic <i>Fusarium oxysporum</i> in <i>Crocus sativus</i> L.	Shanu Magotra & Jyoti Vakhlu
98.	SWATI SINGH	Characterization of genetic elements	Swati Singh, R. Geeta &

		involved in cuticular wax biosynthesis	Sandip Das
99.	L.LINGARAJA	Studies on combining ability analysis of yield and its attributes from Line X Tester mating design in upland cotton (<i>Gossypium hirsutum</i> L.)	L. Lingaraja, R.S. Sangwan, Somveer Nimal & Sukhdeep Singh
100.	SUNAYANA	Evaluation of genetic divergence in mungbean (<i>Vigna radiata</i> L. Wilczek) using morpho-physio characters to identify drought and high temperature tolerant genotypes	Sunayana, Rajesh Yadav & M.S. Punia
101.	MAMATHA,N.C.	Assessment of genetic diversity among fenugreek (<i>Trigonella foenum-graecum</i> L.) genotypes using ISSR markers	N.C. Manatha, S.K. Tehlan, Shikha Yashveer, M. Srikanth, T. Ravikumar & Mukesh Kumar
102.	SATPAL SINGH	Effect of different pH, temperature and media on radial growth of oyster mushrooms (<i>Pleurotus djamor</i>)	Satpal Singh, Gopal Singh, Sachin Kumar Jain, Shidhart N. Rahul, Shashank Misra, Vipin Kumar, Satish Chand & Sonika Tyagi
103.	MEKALA SRIKANTH	Studies on genetic variability, heritability and genetic advance in pumpkin (<i>Cucurbita moschata</i> Duch ex Poir.)	Mekala Srikanth, S.G. Bharad, L.B. Thulasiram & N.R. Potdukhe
104.	NEHA SHUKLA	Complex gene expression profiles revealed through transcriptome analysis of <i>Meloidogyne incognit</i> infected <i>Solanum lycopersicum</i> roots during disease development	N. Shukla, R. Yadav, P. Kaur, S. Rasmussen, A. Jagannath, S. Goel, M. Agarwal, R. Gupta & A. Kumar
105.	PREETI YADAV	Genetic variability and association analysis for seed yield and its components in fenugreek (<i>Trigonella foenum-graecum</i> L.)	Preeti Yadav, S.K. Tehlan & Sumit Deswal
106.	SABA SHAFAI	Influence of sowing dates and thinning management on growth, yield attributes and relative economics of brown sarson (<i>Brassica rapa</i> L.)	Sabas Shafai, Bilal Ahmad Lone, Raihana Habib Kanth, Rehana Mohi-ud-din & Aijaz Nazir
107.	GYANENDRA KUMAR RAI	Unravelling the efficiency of morphological, biochemical and molecular markers in diversity analysis in tomato (<i>Solanum lycopersicum</i> L. Mill)	Pooja Choudhary, Gyabendra Kumar Rai, sreshti Bagati, Abida Parveen, Diksha Bhadwal, Subha Lakshmi Saikia & Pradeep Kumar Rai
108.	ASHISH KUMAR CHOUDHARY	Substrate specificity and expression profiles of isolated <i>fad2</i> and <i>fad3</i> desaturases from <i>Leucas cephalotes</i>	Ashish Kumar Chaudhary & Girish Mishra
109.	ANJULI AGARWAL	Bamboos: Excellent resource for disaster	Anjali Agarwal

		management, climate change and rural development	
110.	P. YADAV RAM	Effect of organic, inorganic and plant growth promoting rhizobacteria (PGPR) on growth and yield of cabbage in mid hills of Himachal Pradesh and study of their economics	P. Yadav Ram, A.K. Sharma, Rajesh Kaushal, Maneesh Kumar Singh & Ashish Kumar Maurya
111.	SHIKHA CHOUDHARY	Food consumption pattern and strategies for nutrition education of school children	Shikha Chaudhary, Premlata Singh, V. Sangeetha & Satyapriya
112.	RAFIYA MUSHTAQ	1. Morphological and growth characteristics of newly introduced exotic apple varieties on M9T37 rootstock in Kashmir valley 2. Effect of soil flooding on phenological stages affecting growth, yield and quality of temperate fruits - an overview	Rafiya Mushtaq, Tauseef Ch, Rehan Javid, Quasar Javid & Shahid Qayoom
113.	VENNELA PRUDHVIRAG	Genetic divergence studies in rice (<i>Oryza sativa</i>) for yield and yield related traits	Prudhvi Raj Vennela, S.K. Singh, Rajesh Singh, Varsha Gaytonde & D.K. Singh
114.	KAILASH CHANDRA	1. Identification of the optimum time of emasculation and pollination of underutilized legume-based groundnut (<i>Vigna subterranea</i> (L.) Verdc.) 2. Effect of moisture stress on key physiological parameters of brinjal (<i>Solanum melongena</i> L.) cultivar	Kailash Chandra, R. Nandini, R. Gobu, Chitti Bharat Kumar & Pranesh R. Gobu, B.N. Harish Babu, Kailash Chandra, M. Shankar & Omprakash
115.	D.K. SINGH, GBPUAT	Organic farming: Way for social and nutritional security of small and marginal farmers of Uttarakhand	D.K. Singh, Shilpi Gupta, Y. Sharma & V.V. Singh
116.	D.K. SINGH, IASc BHU	Inheritance studies on Cercospora leaf spot (CLS) resistance in mung and urdbean	D.K. Singh, A. Vaishampayan, M.N. Singh, S.K. Singh, Prudhvi Raj Vennela, Varsha Gayatonde, Deepak Kumar Jaiswal & Vaibhav Singh
117.	SUPRIYA TRIPATHI	Response of metal oxides nanoparticle on yields attributing parameters in mustard (<i>Brassica nigra</i> L.) varieties	Supriya Tripathi, Sanghdeep Gautam, Pragati Misra, P.W. Ramteke & Pradeep Kumar Shukla
118.	PRADEEP KUMAR SHUKLA	Ameliorative responses of salicylic acid on biochemical parameters of gamma radiation stressed marigold varieties	Pradeep Kumar Shukla, Harish Kumar, Sanghdeep Gautam, P.W. Ramteke & Pragati Misra
119.	NARAYANI SHUKLA	Effect of polyanines on antioxidant status of green gram grown under arsenic induced stress	Virendra Pratap Sng, Narayani Shukla, Pragati Misra, P.W. Ramteke &

			Pradeep Kumar Shukla
120.	PRAGATI MISHRA	2. Enhanced production of metabolites in the callus culture of <i>Glycyrrhiza glabra</i> L. with the improved biomass accumulation	Nancy Jaiswal, Yashodhara Verma, Pradeep Kumar Shukla & Pragati Misra
121.	SAUMYA SHUKLA	Effect of different concentrations of ZnO nanoparticles on reproductive and biochemical parameters in sunflower variety SSH6163	Saumya Shukla, Pragati Misra, P.W. Ramteke & Pradeep Kumar Shukla
122.	TARU SHARMA	In vitro evaluation of kinnow against important human and plant pathogen	Taru Sharma, Mohd. Kamran Khan, Pragati Misra & P.K. Shukla
123.	ASHISH H. BANKAR	Genotype and media effects on callus induction and regeneration in Proso millet (<i>Panicum miliaceum</i> L.)	Ashish H. Bankar & Gaurish B. Sawant
124.	NENAVATH BALRAM	Four alphasatellite species associated with begomovirus-betasatellite complex causing cotton leaf curl disease in north west India	Nenavath Balram, Utpal Kumar Bhattacharyya, Shruti Godara, Prosenjit Chakraborty, Supratik Palchoudhury & K.K. Biswas
125.	MANASVI SINGH	Estimation of water quality for ground water of Jind district, Haryana	Manasvi Singh, Neeraj Dilbaghi, Mahisha Mani & Alka Vasani
126.	BUNTY SHARMA	Involvement of temperature in deterioration of quality in stored pearl millet flour	Bunty Sharma, Laxman Kumar Chugh, Ram Kumar Sheoran, Alka Vasani & Manisha Mani
127.	ANUPRIYA CHATTERJEE	Host-induced RNA silencing of CAS1 gene of a fungal pathogen (<i>Colletotrichum gleosporioides</i>) in tomato	Anupriya Chatterjee, Jyotsna Naik, Vaishali, Ruby Tiwari & M.V. Rajam
128.	MANISH KUMAR MAURYA	Estimation of per se performance of Chilli (<i>Capsicum annuum</i> L.) genotypes for dry fruit yield and its contributing traits	Ashish Kumar Maurya, M.L. Kushwaha, S.K. Jain, Manish Kumar Maurya & Yadav Ram
129.	RAVI KUMAR TELGU	1. Effect of herbicides and mulching on weed flora and pod yield of cowpea (<i>Vigna unguiculata</i> (L.) Walp.) 2. Effect of herbicides and mulching on growth and pod yield of cowpea (<i>Vigna unguiculata</i> (L.) Walp)	Ravi Kumar Telugu & S.K. Sengupta
130.	ARPITA SRIVASTAVA	Inheritance of fruit trait attributes in chilli peppers (<i>Capsicum annuum</i> L.)	Arpita Srivastava, Madhusmita Dishri, Archana Dikshit, Vinukonda Rakesh Sharma, Manisha Mangal & Pritam Kalia

131.	ISHU SINGAL	Morphological variations in different ecotypes of <i>Echinochloa</i> (<i>E. glabrescens</i> , <i>E. colona</i> & <i>E. crusgalli</i>)	I. Singal, K.D. Sharma, S. Devi & S.S. Arya
132.	ISHAN YADAV	Socio economic status of potato farmers in Agra district of Uttar Pradesh	Ishan Yadav & Hemlata
133.	JYOTI SINGH	Efficacy of bio-extracts in mitigating biotic stress due to plant pathogens	Jyoti Singh & S.K. Bhatnagar
134.	MAHESH KUMAR	Effect of seed priming on early growth and development of late sown rice	Mahesh Kumar, Ravi P. Singh & Bandana Bose
135.	PRIYANKA MOHAPATRA	Elucidation of developmental aspects of apomixis through cell specific molecular markers in sexual and addition lines of <i>Pennisetum glaucum</i>	Priyanka Mohapatra, Dinesh H. Singh, Monika Sharma, Manu Agarwal, Arun Jagannath, Amar Kumar, Peggy Ozais-Akins, Wayne W. Hanna & Shailendra Goel
136.	SHAHID AHAMAD	<ol style="list-style-type: none"> 1. Seed discoloration in rice grains in foot hills of Himalayan region 2. Impact of vocational training programmes on income of the rural youths in foot hills of Himalayan region of hilly areas of Jammu & Kashmir, India 3. Incidence of stalk rot of maize in foot hills of Himalayan region 4. Organic farming production in foot hills of Himalayan region 	<p>Shahid Ahmad, Jag Paul Sharma & Banarsi Lal</p> <p>Banarsi Lal & Shahid Ahmad</p> <p>Shahid Ahmad, Jag Paul Sharma & Banarsi Lal</p> <p>Shahid Ahmad, Jag Paul Sharma, Banarsi Lal & S.K. Singh</p>
137.	NAMBURI HARI SATYANARAYANA	Combining ability analysis in rosell (<i>Hibiscus sabdariffa</i> L.) for fibre yield and its contributing traits	N. Hari Satyanarayana, V. Visalakshmi, Subhra Mukherjee, Bhanu Priya, M. Srinivasa Rao & K.K. Sarkar
138.	RESHU CHAUDHARY	Development of banana through tissue culture technique	Reshu Chaudhary, Ankita Trivedi, Manoj Kumar Sharma & R.S. Sengar
139.	ANKITA TRIVEDI	In-vitro clonal propagation of banana	Ankita Trivedi, Reshu Chaudhary & R.S. Sengar
140.	SRIKRISHNA NISHANI	Effect of extrusion processing variables on finger millet flour with respect to their resistant starch	Srikrishna Nishani, Shalini Gaur Rudra, Eldho Verghese & S.K. Jha
141.	JAYA KUMARI	Effect of salinity stress and GA3 on the mineral composition of goldenrod (<i>Solidago canadensis</i> L.) and the chemical properties of soil	Jaya Kumari & Arjun Lal Regar
142.	ASHISH DWIVEDI		

		<p>1. Effect of different crop establishment methods and nitrogen levels on growth attributes, dry matter partitioning and radiation characteristics of wheat (<i>Triticum aestivum</i> L.)</p> <p>2. Conservation agriculture and its impact on soil quality and wheat yield: A western Uttar Pradesh perspective</p>	<p>Gaurendra Gupta, V.S. Hooda, S.K. Thakral, Navish Kumar, Vikram Kumar & Ashish Dwivedi</p> <p>Vineet Kumar, Satendra Kumar, R.K. Naresh, U.P. Shahi, S.P. Singh, Ashish Dwivedi, Ashok Kumar & Kamal</p>
143.	RAJ NARAYAN	Evaluation of fruit production and quality of cherry tomato (<i>Solanum lycopersicum</i> L. var <i>cerasiforme</i>) under polyhouse in Uttarakhand	Raj Narayan, D.B. Singh, Anil Kumar, Sovan Devnath, Arun Kishor & Mukesh S. Mer
144.	REKHA KUMAWAT	Evaluation of micronutrients against <i>Erysiphe polygoni</i> causing powdery mildew of fenugreek (<i>Trigonella foenum graecum</i> L.)	Rekha Kumawat & Kavita Kumawat
145.	SUMIT K. AGGARWAL	Cultural, morphological and pathogenic variability among isolates of <i>Colletotrichum lindemuthianum</i> causing anthracnose of black gram	S.K. Aggarwal, B.L. Mali, L.S. Rajput & P.K. Bagaria
146.	ALKA SAHRAWAT	Antibacterial activity of <i>Holarrhena pubescens</i> (Kurchi) flower against gram negative bacterial strains	Alka Sahrawat, Sonika Tyagi, Siddarth N. Rahul, Purushottum, Sushil Kumar Shahi & Shefali Poonia
147.	REHANA MOHI-UD-DIN	Agronomic practices influencing yield attributes of sweet corn (<i>Zea mays saccharata</i> L.)	Rehana Mohi-ud-din, Nasir Ahmad Dar, Lal Singh, Saba Shafia, Rukshana Jan, Kamran Khan & Owais Bashir
148.	VARSHA GAYATONDE	Effect of blast disease on seed vigor parameters in rice	Varsha Gayatonde, P. Mahadevu, M.K. Prasanna Kumar & Prudhviraaj Vennela
149.	NISHA THAKUR	Organic tomatoes: Heterosis studies for fruit yield and its components in tomato (<i>Solanum lycopersicum</i> L.) under mild Himalayan conditions	Nisha Thakur, Sanjay Chadha & Rajender Singh
150.	JATIN KUMAR	Elucidation of phyto-toxicity through antioxidant profiling, lipid peroxidation and physiological parameters in <i>Simarouba glauca</i> DC. seedlings under salinity, heavy metals and drought stresses	Jatin Kumar & Veena Agrawal
151.	R.N. PANDEY	Soil test based primary nutrients management of gladiolus hybrids Hort.) using crop response correlation in an	M. Lakshmi Durga, D.V.S. Raju, R.N. Pandey, Kanwar Pal

		incepticol	Singh, Prabhat Kumar, Renu Pandey, S. Gopalakrishnan & Suresh Chandra
152.	SURBHI GUPTA , MANAV RACHNA	Evaluate the efficacy of Trichoderma isolates against different diseases causing fungi	Surbhi Gupta, Shaily Javeria, Nidhi Didwania & Lakshman Prasad
153.	REENA RANI	Implications of biotechnology for sustainable agriculture	Reena Rani, Sunayana, Sukhdeep Singh Sivia & Anil Kumar
154.	SONIA RANI	Zinc nutrition influences growth and micronutrient uptake of wheat root under saline environments	Sonia Rani, Majoj Kumar Sharma & Pooja Rani
155.	SHALINI VERMA	Impact of X-bant microwave radiation on beta-1,3-glucanase activity, polyphenols and flavonoids content of two cultivars of Lycopersicon esculentum Mill	Shalini Verma, Nilima Kumari & Vinay Sharma
156.	AANISIA ZAHOOR	Enhanced production of metabolites by salicylic acid elicitation in callus cultures of show mountain garlic (<i>Allium sativum</i>), endemic to Himalayan region	Aanisia Zahoor, Suchit A. John, Pradeep K Shukla, Mehjabeen Afaque & Pragati Misra
157.	MEHJABEEN AFAQUE	Rhizosphere bacterial strains potentially antagonize bacterial wilt of tomato (<i>Lycopersicon esculentum</i> Mill.)	Mehjabeen Afaque, Aanisia Zahoor, Suchit A. John, Pradeep K Shukla & P.W. Ramteke
158.	AMAN JAISWAL	Development of liquid BGA biofertilizer	Aman Jaiswal, Shalini Rudra Gaur & Sunil Pabbi
159.	POOJA	Genotypic and phenotypic diversity assessment of wheat cultivars and elite breeding lines	Pooja, Vikram Singh & Bunty Sharma
160.	B.K. VINAY	Evaluation of toxin fractions of a nematocidal isolate of <i>T. vires</i> against <i>Meloidogyne incognita</i>	B.K. Vinay, Anju Kamra, Aditi Kundu & Pameela Devi Thokala
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162.	INDERPAL SINGH	Evaluation of phosphorus fertilizer potential of biomass ashes for wheat	Inderpal Singh, H.S. Thind, Sandeep Sharma & Mohammad Amin Bhat
163.	HARIKESH	Multivariate analysis of basmati rice genotypes in resource conservation production	Hari Kesh, A.K. Sarial, Khushi Ram, Neeru & Sanjay Khajuria
164.	SMITA SHEKHAWAT	1. Tissue culture, adventitious plant regeneration and genetic diversity analyses of <i>Lycium barbarum</i> (Muragli) of Indian desert	Smita Shekhawat, N.S. Shekhawat & Veena Agrawal

		2. Conservation, metabolic profiling and evaluation of antioxidant potential of <i>Sarcostemma acidum</i> - an endangered medicinal plant of semi-arid ecosystem	
165.	BAPSILA LOITONGBAM	Genetic analysis of F4:F5 marker assisted derived lines of rice against bacterial leaf blight (BLB) and their marker validation	Shoumik Shah, Deep Rashmi, Bapsila Loitongbam, Prashant Bisen, V.K. Singh, Sandhya, U.S. Singh & P.K. Singh
166.	MUKESH KUMAR	Effect of integrated use of nutrients on growth and yield of garlic (<i>Allium sativum</i> L.) cv. UP Chatta under agro-climatic conditions of western Uttar Pradesh	Mukesh Kumar, Manoj Kumar Singh, Sunil Malik, Bijendra Singh & Veena Chaudhary
167.	R. NAVEEN KUMAR	Agro ecological variation of watermelon wilt and efficacy of plant oils against <i>Fusarium oxysporum</i> f. sp. <i>Niveum</i>	R. Naveenkumar, A. Muthukumar & R. Mohanapriya
168.	HILLOL CHAKDAR	Exploiting potential plant growth enhancing bacteria from unexplored niches of north east India	Hillol Chakdar, Pragya Saxena, Prem Lal Kashyap, Alok K Srivastava, Arjun Singh, K. Pandiyan, M. Kumar, N. Karthikeyan, Mandira Barman & Anil K. Saxena
169.	RAJESHWARI	In vitro evaluation of phytotoxicity, oxidative stress and DNA damage in <i>Cassia angustifolia</i> Vahl in response to copper stress and its amelioration through glutathione and <i>Piriformospora indica</i>	Rajeshwari & Veena Agrawal
170.	VEERENDRA GUPTA	Evaluate the performance of different fungicides for suppression of mycelial growth against anthracnose of chilli (<i>Colletotrichum capsici</i>) under in-vitro condition	Veerendra Gupta, Arvinder Kaur, Pramod K. Fatehpuria, Rajni S. Sasode, Ashish Bobde & Reeti Singh
171.	NAGARAJAPPA ADIVAPPAR	1. Impact of different extension approaches in enhancing the productivity of ginger and turmeric 2. Impact of intercrop/mixed crops in arecanut in south eastern transitional zone of Karnataka	Nagarajappa Adivappar & B.C. Hanumanthswamy
172.	MAMTA CHAUCHAN	The potato pathogen database: A online database of gene list annotation for <i>Phytophthora investans</i>	Mamta Chauham & Shashi Rawat
173.	VARSHA BHARTI	Influence of bio-inoculants on yield and quality characters of <i>Agaricus bitorquis</i> (Quel.) Sacc. Under Kashmir conditions	Varsha Bharti, Shaheen Kausar & V.K. Ambardar
174.	SUKHDEEP SINGH	Genetic improvement through standard	Sukhdeep Singh Sivia,

	SIVIA	heterosis for seed cotton yield in uplant cotton (<i>Gossypium hirsutum</i> L.)	S.S. Siwach, R.S. Sangwan, O. Sangwan & S. Nimbai
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176.	F.C. AMULE	1. Evaluation of actinomycetes, <i>Rhizobium</i> and PGPR consortium on soybean in a vertisol	F.C. Amule, Pawan Sirothiya, U.S. Mishra & N.G. Mitra
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178.	B.K. TIWARI	Enhancement of productivity of chickpea through front line demonstration at farmer's field	B.K. Tiwari, K.V. Sahare, K.S. Baghel & A.K. Pandey
179.	ANIL NAGWANSHI	Effect of pretilachlor, penoxsulam and pyrazosulfuron herbicides on yield of paddy	Anil Nagwanshi, A.K. Dwivedi & Shobha Sondhia
180.	A.N. GAUTAM	Resource use efficiency of wheat in Betul district of Madhya Pradesh	A.N. Goutam, R.M. Sahu & Nidhi Sirothiya
181.	K. ANUPAMA	Distribution of potassium fractions in soils of agriculture college research farm, Indore	K. Anupama, K.S. Bangar, V.K. Khaddar & Bharat Singh

182.	SANJAY K. DWEVEDI	Effect of establishment of methods and varieties on linseed (<i>Linum usitatissimum</i> L.)	Sanjay K. Dwivedi & P.K. Singh
183.	M.K. PTHAK	Effect on blanching indicators peroxidase and lipoxygenase of [<i>Glycine max</i> (L.) Merrill.] cultivars seed at its processing	M.K. Pathak, Arun Kakkar & B.K. Dixit
184.	P.N. TRIPATHI	Pedogenesis and taxonomy of soils of Krishi Vigyan Zkendra, Shahdol	P.N. Tripathi, U.S. Mishra, Mragendra Singh & Rohit Pandey
185.	L. SHIVA KUMAR	Impact of rice-wheat cropping system on physical property and carbon stocks of soils in western zone of Haryana	L. Shivakumar, V.K. Phogat & Rita Dahiya
186.	V. ABARNA	Screening of soap flake formulations of neem (<i>Azadirachta indica</i> A. Juss) and pongam (<i>Pongamia pinnata</i> (L.) Pierre) oils against cotton mealybug, <i>Maconellicoccus hirsutus</i> (Green) (Pseudococcidae) and cowpea aphid, <i>Apis craccivora</i> (Koch) (Aphididae)	V. Abarna, Abhinav Kumar & S. Arivudainambi
187.	ABHINAV KUMAR	Eco-friendly management of green peach aphid (<i>Myzus persicae</i> Sulz.) in cumin	Abhinav Kumar, V. Abarna & R.

			Naveenkumar
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190.	AMRITA THAKUR	Effect of different elicitors on various growth parameters in wheat plant under drought conditions	Amrita Thakur, Nilima Kumari & Vinay Sharma
191.	MANJU BALA	viscosity profile of maize and QPM flour as affected by ptoteins	Manju Bala, Arun Kumar & S.K. Nanda
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196.	SUPRIYA KUMARI	Genome-wide identification of helicase gene family in wheat and its comparative analysis with maize and rice	Supriya Kumari, Anuj Kumar & Narendra Tuteja
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199.	C. BHARDWAJ/ NEERAJ KUMAR	Morpho-physiological characterization and grouping (SAHN) of chickpea genotypes for salinity tolerance	Neeraj Kumar, D. Bharadwaj, C. Tara Satyavathi, Madan Pal, Tapan Kumar, Tripti Singhal, P.K. Jain, B.S. Patil & K.R. Soren

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202.	SHIWANI	Effect of harvesting time on shelf life of garlic (<i>Allium sativum</i> L.)	Shiwani, Makhan Lal & Pooja Rani
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205.	ANAND KUMAR JAIN	Productivity of wheat varieties for different sowing dates as intercrop under poplar (<i>Populus deltoids</i>)	Anand Kumar Jain & P.R. Rajput
206.	CHETAN KUMAR JANGIR	Effect of fertility levels and biofertilizers on biological properties of soil and yield attributes of blackgram (<i>Vigna mungo</i> L.)	Chetan Kumar Jangir & D.P. Singh
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213.	VIMLA SINGH	Prospects of plant microbiome studies for sustainable agriculture	Vimla Singh, Sunaina Bisht & K.S. Hoda
214.	SONAM BINJOLA	Long term effect of organic manures and	Sonam Binjola, K.S.

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215.	LAKSHMAN PRASAD	Plant growth promotion activities of novel isolates of <i>Trichoderma</i> spp and its metabolic products on <i>Brassica juncea</i>	Lakshman Prasad, Sanskriti Singhanian, Oinam W. Singh, Sonica Tomar & Pankaj Sharma
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220.	RITIKA YADAV	Drug resistance pattern of <i>Staphylococcus aureus</i> isolated from animal pus samples origin	Ritika Yadav, Vinod Kumar Singh, Amit Kumar & Sharad Kumar Yadav
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233.	SUREKHA PAWAR	A study of comparative performance of some native rice cultivars of Wayanad region of Kerala State of India under upland and wetland conditions	Surekha Y. Pawar, V.V. Radhakrishnan & K.V. Mohanana
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237.	VIKRAM SINGH	Efficacy of tembotrione, atrazine, alachlor and metribuzin against complex weed flora in spring maize (<i>Zea mays</i> L.)	Vikram Singh, Mehar Chand, S.S. Punia & Ankush
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242.	SANTOSH KUMAR	DNA barcoding based phylogenetic analysis of south Indian <i>Curcuma</i> species using chloroplast <i>rbcL</i> gene	<u>R. Santosh Kumar & A. Yusuf</u>
243.	S.M. QUATABAH	Comparative analysis of RAPD and ISSR markers in estimating the genetic relationship among cultivated and wild genotypes of pigeonpea [<i>Cajanus cajan</i>]	B. George, P. Ray Choudhury, I.P. Singh, V.S. Meena, S.M. Quatadah, A. Bohra, F. Singh & N.P. Singh
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247.	ABDUL BASITH	commercial strawberry cultivars: Evaluation for growth, yield and antioxidant enzymes for salt threshold tolerance	K. Prasada Rao, A.M. Lal, Md. Abdul Basith, P.W. Ramteke & G.Abraham
248.	VIVEL BENIWAL	Effect on strawberry (<i>Fragaria X Ananassa</i> Duch.) runner production and growth under different protected conditions	Vivek Beniwal, Anil Kumar Godara, Prince & Sourabh
249.	R.K. SARITHA	Association of <i>Pedilanthus</i> leaf curl virus and croton yellow vein mosaic alphasatellite with carrot (<i>Daucus carota</i>) in India	R. K. Saritha, Parul Dubey, Shrawan Singh, P. Kalia, R.K. Jain & V.K. Baranwal
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251.	JYOTI	Prevalence of janus kinase 2 mutant in Indian patients suffering from polycythemia vera	Jyoti, Sudha Sazawal, Neha Bisht & A.P. Garg
252.	ANU	Computational analysis of homology of human heat shock proteins between plants and human	Anu, Pooja Sharma, Bharti, Reetu Gaur, Ajay Kumar Shukla & A.P.

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253.	REETU GOUR	Search for novel antifungal compound targeting cytochrome-b of <i>Fusarium oxysporum</i> f. sp. <i>Lycopersici</i> by virtual screening	Reetu Gour, A.P. Garg & Ajay Kumar Shukla
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256.	RAJARSHI ROY BURMAN	Indigenous rice cultivation practices of farmers of Nadia, West Bengal	Rajarshi Roy Burman, P.N. Mathur & Rahul Singh
257.	SHAIENDRE SHARMA	Economics of oil processing of rapeseed-mustard	Shailendra Sharma, J.S. Raghuwanshi, Rahul Singh & D.U.M. Rao
258.	POOJA BHADECHA	Rhizospheric microbiome of the wonder plant <i>Hippophe rhamnoides</i> L.	Pooja Bhadrecha, Manoj Kumar & Madhu Bala
259.	B. MURALIDHARAN	Effect of organic manures and inorganic fertilizers on plant growth of indeterminate tomato (<i>Solanum lycopersicum</i> L.) hy. GS-600	B. Muralidharan & S. Saravanan
260.	SURESH KUMAR	Quality Assessment of frozen thawed Frieswal Bull Semen	Suresh Kumar, Mahesh Kumar, N.Srivastava, Sarmesh Arya, A.S.Sirohi, Nemi Chand, Srikant Tyagi, and B. Prakash
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